

PATENT
Customer No. 22,852
Attorney Docket No. 09641.0011-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re National Stage of International)	
Application No. PCT/GB2004/004401 of:)	
SMITH et al.)	
)	Group Art Unit: To be assigned
Application No.: To be assigned)	
)	Examiner: To be assigned
PCT Application Filed: 15 October 2004)	
)	
§ 371 date: 16 October 2003)	Confirmation No.: To be assigned
)	
For: IMPROVED CONTROL OF ES))	
CELL SELF RENEWAL AND)	
LINEAGE SPECIFICATION, AND)	
MEDIUM THEREFOR)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed within three months of the date of entry of the national stage in an international application.

Copies of the listed foreign and non-patent literature documents are attached. Copies of the U.S. patent publications are not enclosed.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

Express Mail Label No. EVU8495598105
Date of Deposit: 17 April 2006
By: *Michael J. [Signature]*

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and Applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: 17 April 2006

By:



Nicole L. M. Valtz
Reg. No. 47,150

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	To be assigned	
			Filing Date	Herewith (17 April 2006)	
			First Named Inventor	Austin Smith	
			Art Unit	To be assigned	
			Examiner Name	To be assigned	
Sheet	1	of	1	Attorney Docket Number	09641.0011-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS					
Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/0022267	02-21-2002	Pera	
		US-			
		US-			
		US-			
		US-			

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		WO 03/095628 A2	11/20/2003	University of Edinburgh		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		Great Britain Search Report for Great Britain Application No. 0324270.8, dated 27 February 2004.	
		International Search Report for PCT/GB2004/004401, mailed 8 August 2005	
		Daheron et al., "LIF/STAT3 Signaling Fails to Maintain Self-Renewal of Human Embryonic Stem Cells", <i>Stem Cells</i> , 22:770-778 (2004)	
		Finley et al., "BMP-4 Inhibits Neural Differentiation of Murine Embryonic Stem Cells", <i>J. Neurobiology</i> , 40:271-287 (1999)	
		Hollnagel et al., "Id Genes Are Direct Targets of Bone Morphogenetic Protein Induction in Embryonic Stem Cells", <i>J. Bio. Chem.</i> , 274:19838-19845 (1999)	
		Nakashima et al., "Embryonic Stem Cells: Staying Plastic on Plastic", <i>Nature Medicine</i> , 10:23-24 (2004)	
		Nogueira et al., "Regulation of Id Gene Expression during Embryonic Stem Cell-Derived Hematopoietic Differentiation", <i>Biochem. Biophys. Res. Comm.</i> , 276:803-812 (2000)	
		Reubinoff et al., "Embryonic Stem Cell Lines from Human Blastocysts: Somatic Differentiation In Vitro", <i>Nature Biotech.</i> , 18:399-404 (2000)	
		Temple S., "Embryonic Stem Cell Self-Renewal, Analyzed", <i>Cell</i> , 115:247-248 (2003)	
		Ying et al., "BMP Induction of Id Proteins Suppresses Differentiation and Sustains Embryonic Stem Cell Self-Renewal in Collaboration with STAT3", <i>Cell</i> , 115:281-292 (2003)	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.